

Centers For Population Health And Health Disparities

"Reducing Cervical Cancer In Appalachia"
NCI: 1P50CA105632

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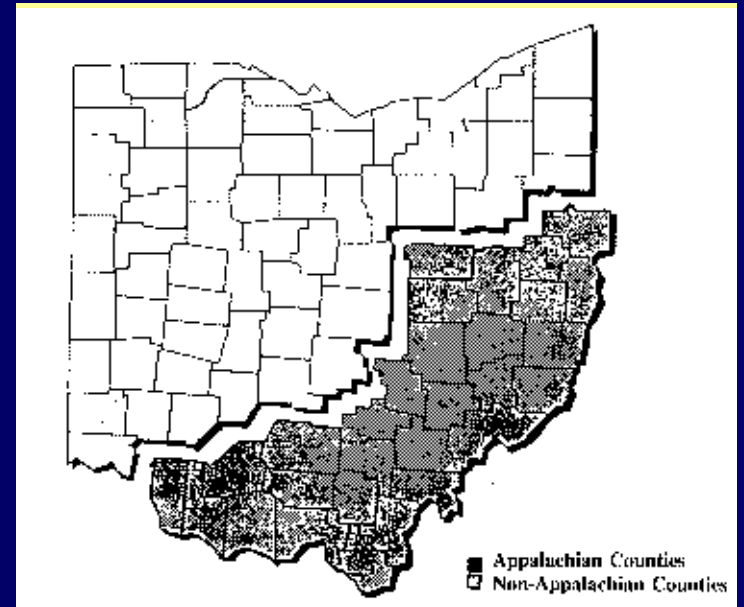
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Goal

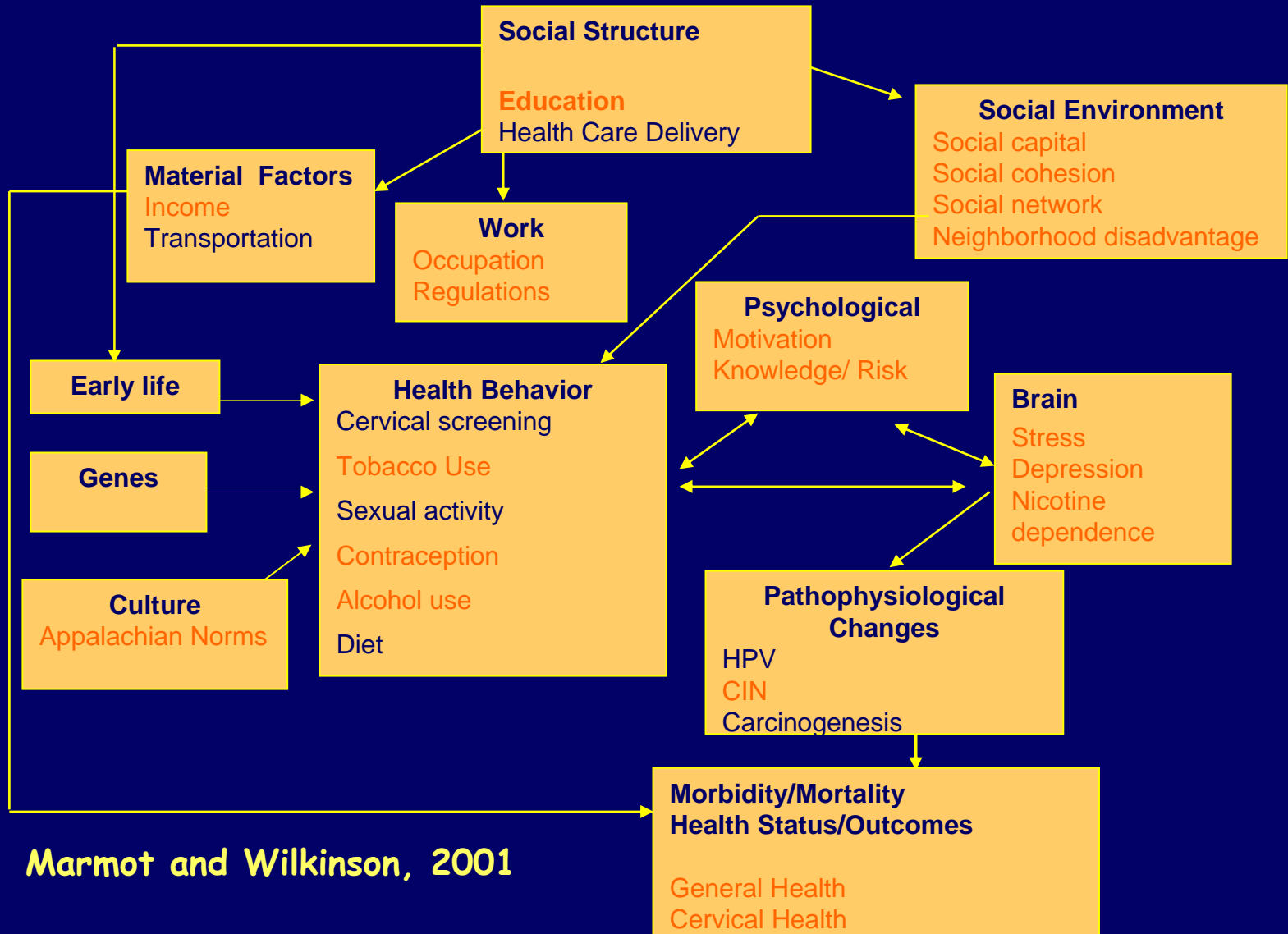
**To understand why Appalachian Ohio
women have high incidence and
mortality rates for cervical cancer.**

Background

- Invasive cervical cancer incidence and mortality rates have decreased in the United States by 75% since 1950
- Cervical cancer incidence rates 1996-2000 (per 100,000 females):
 - U. S. 9.6
 - Ohio 9.2
 - Ohio Appalachia 11.4-20.3
- Screening rates for cervical cancer are high in the U.S., except among certain segments of the population



Theoretical Framework Social Determinants of Health



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**CORE B
BIostatISTICS and
DATA RESOURCES
LEMESHOW**

**CORE A
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PASKETT
WEWERS**

**CORE D
BEHAVIOR ASSESSMENT
AND INTERVENTION
AHIJEVYCH**

**CORE C
CLINICAL CORRELATES
CARSON**

**PROJECT 1
CERVICAL CANCER SCREENING AMONG
APPALACHIAN POPULATIONS
PASKETT**

**PROJECT 2
TOBACCO USE AND CESSATION AMONG
APPALACHIAN WOMEN
WEWERS**

**PROJECT 3
CORRELATES OF ABNORMAL
PAPS SMEAR IN APPALACHIA
RUFFIN**

PILOT PROJECTS

PROJECT 1

Cervical Cancer Screening Among Appalachian Populations

Electra Paskett

Goal:

To increase Pap smear screening

Design:

- Develop an educational intervention**
- Individual educational sessions**
- Lay health educators as change agents**
- Randomized design**

PROJECT 2

Tobacco Use and Cessation Among Appalachian Women

Mary Ellen Wewers

Goal:

To decrease tobacco use among adult
Appalachian women

Design:

- Characterize social, behavioral, and biologic factors related to tobacco use
- Test a scientifically-valid tobacco cessation intervention
- Lay health advisors deliver intervention
- Randomized design

PROJECT 3

Correlates Of Abnormal Pap Smears In Appalachia

Mack Ruffin

Goal:

To determine variables that contribute to the increased risk of developing cervical abnormalities among Appalachian women

Design:

- Case-control design
- HPV and cervical smear samples
- Etiologic factors

CORE A
ADMINISTRATION
PASKETT
WEWERS

Goal:

To provide administrative services to the investigators

Main Aims:

- Organize meetings, collaborate with other funded centers
- Provide fiscal reviews, publication services
- Liaison with advisory boards, community agencies

CORE B
BIostatISTICS and
DATA RESOURCES
LEMESHOW

Goal:

To provide biostatistical support to the investigators

Main Aims:

- Collaborate with investigators in formulation of hypotheses and the design of studies
- Provide data management systems
- Conduct and direct the statistical analyses

CORE C
CLINICAL CORRELATES
CARSON

Goal:

To provide a centralized laboratory collection and distribution unit to the investigators

Main Aims:

- Obtain and preserve integrity of the specimens
- Ensure accurate collection, tracking, and analysis of the specimens
- Assists projects with respect to clinical correlates

CORE D
**BEHAVIOR ASSESSMENT
AND INTERVENTION**
AHIJEVYCH

Goal:

To provide accurate behavioral data collection to the investigators

Main Aims:

- Design and pilot testing of questionnaires
- Piloting of intervention materials and process evaluation
- Train interviewers and LHEs

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